

## Product datasheet for **AR09031PU-N**

### GNMT (1-295, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	GNMT (1-295, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MVDSVYRTRS LGVAAEGLPD QYADGEAARV WQLYIGDTRS RTAEYKAWLL GLLRQHGCQR VLDVACGTGV DSIMLVEEGF SVTSVDASDK MLKYALKERW NRRHEPAFDK WVIEEANWMT LDKDVPQSAE GGFDVICLG NSFALPDCK GDQSEHRLAL KNIASMVRAG GLLVIDHRNY DHILSTGCAP PGKNIYYKSD LTKDVTTSVL IVNNKAHMVT LDYTVQVPGA GQDGSPGLSK FRLSYYPHCL ASFTELLQAA FGGKCQHSVL GDFKPYKPGQ TYIPCFIHV LKRTD
Tag:	His-tag
Predicted MW:	34.9 kDa
Concentration:	lot specific
Purity:	>95% by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0, 20% Glycerol
Endotoxin:	< 1.0 EU/μg of protein
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human GNMT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Note:	NCBI Accession No.: NP_061833
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001305794</u>
Locus ID:	27232
UniProt ID:	<u>Q14749</u> , <u>A0A0S2Z5F2</u>



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**Cytogenetics:** 6p21.1

**Synonyms:** HEL-S-182mP

**Summary:** The protein encoded by this gene is an enzyme that catalyzes the conversion of S-adenosyl-L-methionine (along with glycine) to S-adenosyl-L-homocysteine and sarcosine. This protein is found in the cytoplasm and acts as a homotetramer. Defects in this gene are a cause of GNMT deficiency (hypermethioninemia). Alternative splicing results in multiple transcript variants. Naturally occurring readthrough transcription occurs between the upstream CNPY3 (canopy FGF signaling regulator 3) gene and this gene and is represented with GeneID:107080644. [provided by RefSeq, Jan 2016]

**Protein Families:** Druggable Genome

**Protein Pathways:** Glycine, serine and threonine metabolism

### Product images:

